

A PRELIMINARY SYNOPSIS OF THE GENUS RHODODENDRON III

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ABSTRACT. A synopsis is given of the subgenera not covered in the previous two contributions (namely, *Azaleastrum*, *Tsutsusi*, *Pentanthera*, *Therorhodion*, *Candidastrum*, and *Mumeazalea*). The last two of these are given the status of subgenera for the first time. *Rhododendron ngawchangensis* Philipson & Philipson, *sp. nov.*, is described from Burma.

This paper covers certain groups within the genus *Rhododendron* that were not dealt with in the two previous parts of this series (Cullen & Chamberlain, 1978, 1979). These groups comprise the choral subgenus *Nomazalea* of Seithe (1960), but that rank is not adopted here because the very different taxa included do not, in our opinion, share a sufficient syndrome of characters to justify their inclusion in a common taxon.

The sub-division of these taxa into subgenera follows our previous account (Philipson, W. R., 1980). This arrangement differs from the system of Sleumer (1949, 1980) in four respects. Three of these merely involve a change of status: (i) the genus *Therorhodion* is restored to its former position within the genus *Rhododendron* with the status of a subgenus; (ii & iii) the sections *Candidastrum* and *Mumeazalea* are each raised to the rank of subgenus. The reasons underlying these changes are given in our previous paper (Philipson, W. R., 1980). The fourth change formally sets out a proposal made by one of us after a study of cotyledonary characters (Philipson, M. N., 1970), and restated at the New York International Rhododendron Conference (Philipson, W. R., 1980; Philipson, M. N., 1980).

In the following enumeration nomenclatural synonyms are omitted.

SUBGENUS AZALEASTRUM Planchon

Section AZALEASTRUM (Series Ovatum sensu Rehder)

- R. hongkongense* Hutch. (*Azalea myrtifolia* Champion, non Lodd.)
- R. leptothrium* Balf. f. & Forrest (*R. australe* Balf. f. & Forrest)
- R. ngawchangensis* Philipson & Philipson (p. 228)
- R. ovatum* Maximovicz (*R. bachii* Lévl.)
- R. vialii* Delavay & Franchet

Section CHONIASTRUM Franchet (Series Stamineum sensu Rehder)

- R. cavaleriei* Lévl.
- R. championae* Hemsl.
- R. ellipticum* Maximovicz (*R. leiopodum* Hayata, *R. leptosanthurum* Hayata, *R. tanakai* Hayata)
- R. esquirolii* Lévl. (*R. vaniottii* Lévl.)
- R. feddei* Lévl.
- R. hancockii* Hemsl.

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- R. henryi* Hance (*R. dunnii* Wilson, *R. ciliato-pedicellatum* Hayata)
R. latoucheae Franchet
R. moulmainense Hook. (*R. klossii* Ridley, *R. laoticum* Dop, *R. leucobotrys* Ridley, *R. nematocalyx* Balf. f. & W. W. Smith, *R. oxyphyllum* Franchet, *R. pectinatum* Hutch., *R. siamense* Diels, *R. westlandii* Hemsl.)
R. stamineum Franchet (*R. aucubaefolium* Hemsl., *R. mackenzianum* Forrest, *R. pittosporifolium* Hemsl., *R. stenaulum* Balf. f. & W. W. Smith)
R. tutcheriae Hemsl. & Wilson
R. wilsonii Hemsl. & Wilson

SUBGENUS TSUTSUSI (Sweet) Poyarkova (not yet revised)

(Subg. *Anthodendron* (Reichenbach) Endl.)

Section TSUTSUSI (Series *Azalea* subseries *Obtusum*)

Section BRACHYCALYX Sweet (Series *Azalea* subseries *Schlippenbachii* pro parte)

Section TSUSIOPSIS Sleumer

SUBGENUS PENTANTHERA (G. Don) Koch

(Subg. *Pseudanthodendron* Sleumer)

Section PENTANTHERA (Series *Azalea* subseries *Luteum* sensu Rehder)

- R. alabamense* Rehder
R. arborescens (Pursh.) Torrey (*Azalea verticillata* Lodd.)
R. atlanticum (Ashe) Rehder
R. austrinum (Small) Rehder
R. calendulaceum (Michx.) Torrey (*R. luteum* Schneid. non Sweet, *Azalea aurantiaca* Dietr.)
R. canescens (Michx.) Sweet (*Azalea bicolor* Pursh.)
R. coryi Shinnars
R. glabrus Nakai (*R. molle* Sieb. & Zucc. non G. Don, *R. japonicum* (Gray) Suringar non *R. japonicum* (Blume) Schneider). *
R. luteum Sweet (*R. flavum* G. Don, *Azalea pontica* L.)
R. molle G. Don (*R. sinense* Sweet)
R. nudiflorum (L.) Torrey (*Azalea periclymenoides* Michx., *A. periclymena* Pers.)
R. oblongifolium (Small) Millais
R. occidentale (Torrey & Gray) Gray (*Azalea californica* Torrey & Gray)
R. prunifolium (Small) Millais
R. roseum (Loisel.) Rehder (*Azalea prinophyllum* Small)
R. serratum (Small) Millais
R. speciosum (Willd.) Sweet
R. viscosum (L.) Torrey

Section RHODORA (L.) G. Don (Series *Azalea* subseries *Canadense* sensu Rehder pro parte)

- R. canadense* (L.) Torrey
R. vaseyi Gray

Section VISCIDULA Matsumura & Nakai (Series *Azalea* subseries *Nipponicum* sensu Rehder)

- R. nipponicum* Matsumura

*For the application of the name *R. japonicum* see Chamberlain, D.F. A revision of Rhododendron subgenus Hymenanthus. *Notes RBG Edinb.* 39(2) — in press.

Section SCIADORHODION Rehder & Wilson† (Series *Azalea* subseries *Canadense* sensu Rehder pro parte and subseries *Schlippenbachii* sensu Rehder pro parte)

R. albrechtii Maximowicz

R. pentaphyllum Maximowicz (*R. nikoense* Nakai)

R. quinquefolium Bisset & Moore

R. schlippenbachii Maximowicz

SUBGENUS THERORHODION (Maximowicz) Gray
(Series *Camtschaticum* sensu Hutch.)

R. camtschaticum Pallas

R. glandulosum (Standley) Tagg

R. redowskianum Maximowicz

SUBGENUS CANDIDASTRUM (Sleumer) Philipson & Philipson, **stat. nov.**
(Section *Candidastrum* Sleumer, Bot. Jahrb. 74: 552, 1949; series *Albiflorum* sensu Rehder)

R. albiflorum Hook. (*R. warrenii* (H. Nels.) Macbride, *Cladothamnus campanulatus* Greene)

SUBGENUS MUMEAZALEA (Sleumer) Philipson & Philipson, **stat. nov.**
(Section *Mumaeazalea* (Makino) Sleumer, Bot. Jahrb. 74: 552, 1949; series *Semi-barbatum* sensu Rehder)

R. semibarbatum Maximowicz

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†The lectotype is *R. schlippenbachii* Maximowicz. Rehder & Wilson (1921) did not cite a type though Rehder later included the same species in series *Azalea* subseries *Schlippenbachii*, effectively typifying the taxon by *R. schlippenbachii*.

NEW TAXON

Rhododendron ngawchangensis Philipson & Philipson, *sp. nov.* (Sect. *Azaleastrum*).

Frutex ramis puberulis. Folia anguste elliptico-ovata, c. 45×16 mm, basim versus cuneata, apice sub-acuta vel emarginata, mucronata, chartacea, venis obscuris. Inflorescentia lateralis, 1-floris, pedicellis puberulis et glandulosis, c. 10 mm. Calyx conspicuus, 5-lobatus, lobis ovatis, ciliatis vel glabris, c. $6-7 \times 2.5-3.0$ mm. Corolla rotata, magentea maculatis. Stamina 5, filamentis hirsutis. Ovarium subglobosum. Stylus inferne copiose glandulosus. Capsula verrucosa, c. 6×5 mm.

BURMA. Htawgaw Fort, a tall dense and floriferous bush covered with scentless magenta-rose flowers, 4,000 ft, *Farrer* 807 (holotype, E); without precise locality, *Rogers* 71A; hills around Tze-tzo-ti, $25^{\circ}58'N 98^{\circ}29'E$, 10,000 ft, compact shrub of 6-7 ft, flowers bluish-rose with copious crimson markings, on the margins of thickets, *Forrest* 26420, 26493, 27375.

This species is distinguished from all other members of sect. *Azaleastrum* by the densely glandular lower part of the style. The small narrow chartaceous, rather than coriaceous, leaves, with inconspicuous venation are also characteristic. It is a local species, occurring in the south western limits of the range of *R. leptothrium*.